IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gang Huang, *et al.*

Serial No.:   09/909,394

Filed: July 19, 2001

Title: SYSTEM AND METHOD FOR RECOGNIZING ZERO-
                  AMPLITUDE SYMBOLS IN A QAM SIGNAL AND DIGITAL
                  RECEIVER INCORPORATING THE SAME

Grp./A.U.:   2634

Examiner: Sudhanshu C. Pathak

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
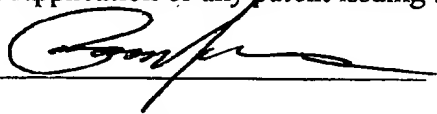
Sir:

AFFIDAVIT UNDER 37 C.F.R. §1.131

I, Gang Huang, hereby state:

1.   I am an inventor of the claimed subject matter in the Patent Application identified above and

an inventor of the subject matter described therein.

2.   Prior to April 18, 2001, my co-inventors and I participated in the conception of recognizing

zero-amplitude symbols in a QAM signal, as covered by the above-identified Patent Application, as

evidenced by the following:

        a.   We submitted an invention submission form, which is kept in the regular course of

business, for a patent application disclosing our conception of the invention prior to April 18, 2001, and after the date of conception. A true and correct copy of this invention submission form is attached hereto as Exhibit A. Thereafter, we participated in preparing information necessary for subsequent filing of the above referenced Patent Application in the United States, which was diligently prepared and filed with the United States Patent Office on July 19, 2001, as evidenced by Exhibits B-D.

        b.   The dates omitted from Exhibit A are prior to April 18, 2001.

3.   I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the Application or any patent issuing thereon.

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Gang Huang

Date: 2/16/2005